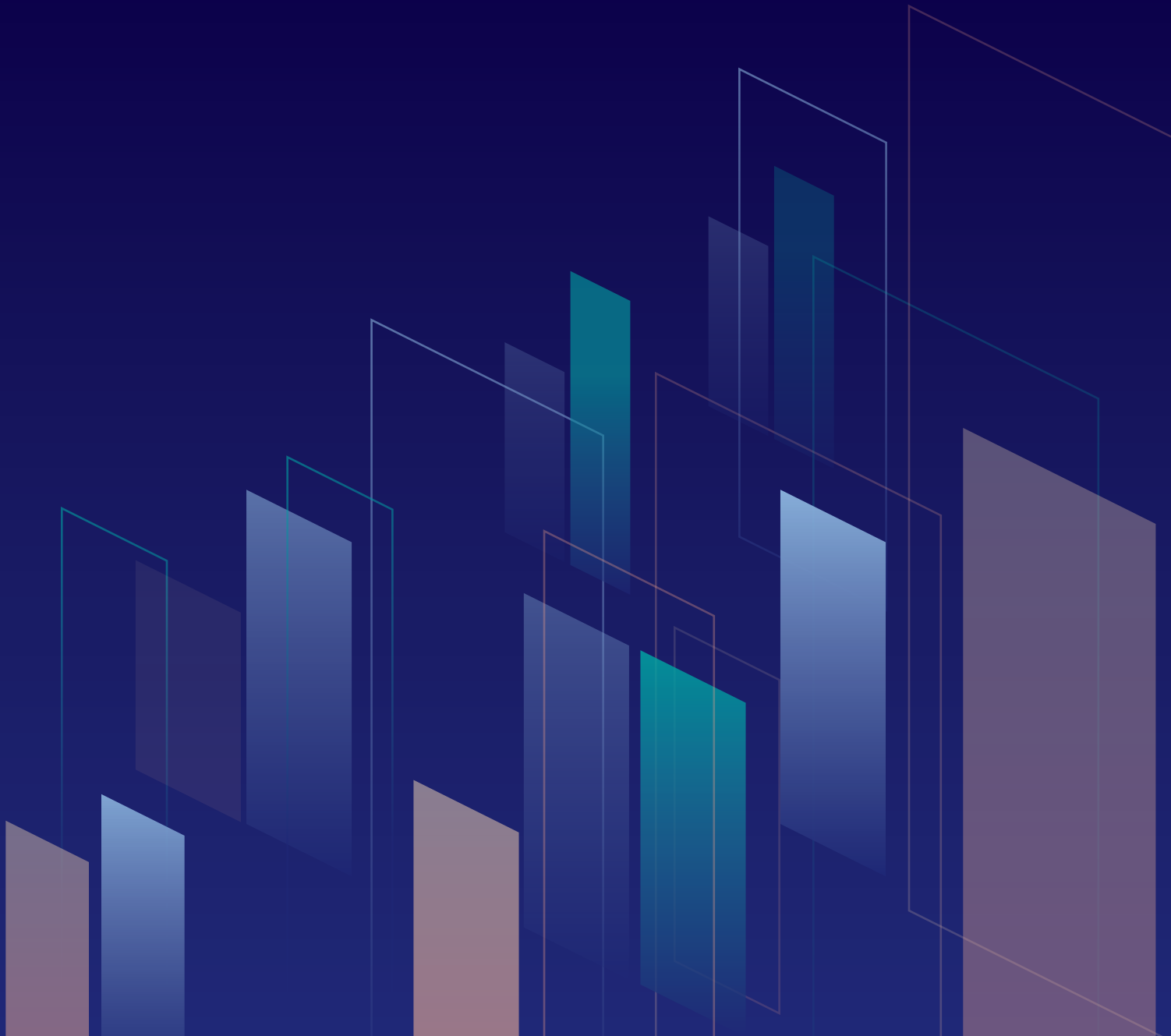


From Data to Decision:

Optimizing Analytics Development
in Financial Services



Introduction:

Smarter Processes, Smarter Decisions

In financial services, analytics are the engine powering business management and decision-making. Whether assessing credit risk, optimizing portfolios, or ensuring compliance, analytics transform data into actionable insights that drive business forward. But getting from concept to execution is rarely simple. Teams face constant hurdles, including fragmented data, resource bottlenecks, and compliance requirements.

This guide zeroes in on the heart of the issue: the need for AI-powered analytic capabilities versus the ease of accessing, unifying, and using enterprise data.

Discover how better data can help you accelerate workflows, unlock efficiencies, increase revenue, and stay ahead in an increasingly competitive landscape.



The Pain Points: What's Slowing You Down



Streamlining Lengthy Data Preparation

The lifecycle of building and deploying new analytics models is often too slow, creating delays that ripple through decision-making. According to McKinsey, the “time-to-market life cycle for modeling can be between 15 and 18 months.”¹

Your quants and data scientists should be focused on solving complex problems—not bogged down by repetitive tasks like cleaning, preparing, and integrating data. When your team is trapped in operational bottlenecks, innovation grinds to a halt, and strategic initiatives lose momentum. Key challenges such as cumbersome data access, data duplication, and lengthy manual preparation hinder the expansion of your analytical capabilities.



Evolving AI Regulations and Requirements

Regulatory requirements have always shaped the financial services landscape, but the rise of AI is introducing new compliance challenges. U.S. legislators are increasingly concerned about AI-driven risks, including flawed or biased data influencing critical decisions like credit approvals and heightened data privacy concerns. The challenge now extends beyond simply keeping up—it's about ensuring robust data privacy and maintaining an auditable data trail, so teams can build and use models quickly and confidently.



Fragmented and Expanding Data

Data isn't just bigger—it's more diverse and complex, encompassing multiple formats and sources. Financial institutions manage both structured data, such as transactional records and customer profiles, and unstructured data, like behavioral patterns, social interactions, and documents. For cutting-edge enterprise analytics, teams need the flexibility to quickly integrate new data sources from various systems. This seamless integration feeds into predictive and prescriptive models, helping teams generate faster, data-driven insights for strategic decision-making.

¹ [McKinsey & Company “Scaling analytics across financial services: Understanding the value of model life cycle transformations”](#)

Accelerating Time to Insight

Recognizing the importance of an efficient analytics development process is one thing—making it a reality is another. For financial institutions, the pressure to build robust analytics capabilities is higher than ever, yet outdated, fragmented processes continue to hinder progress. Time-consuming tasks like data preparation, duplication, and fragmented workflows, coupled with ever-growing compliance demands, often delay decision-making and introduce inefficiencies that degrade the quality of insights.

Enabling Efficient Data Access Across the Analytics Lifecycle

Accessing data at each stage of the analytics development process is a primary source of inefficiency. InterSystems solutions enable you to dynamically connect to all of your applications, data sources and services from inside and outside the organization, and apply AI and analytics to feed every stage of the analytics development process with the same, accurate, consistent data. Our technology normalizes and transforms disparate data, performs validation and quality checks, enables role-based permissioning, automates workflows, and offers embedded AI capabilities in a single platform. This results in delivering the right data to the right user at each stage of the process.

Streamlining Data Access for a Competitive Advantage

Simplifying complex data ecosystems is essential for improving operational efficiency, reducing costs, and accelerating the launch of revenue generating, model-driven solutions. With InterSystems robust data technology, financial institutions can redefine how analytics are built, validated, and deployed.

How InterSystems optimizes data access for financial institutions:



Centralized data integration:

We streamline data collection by providing a unified platform that aggregates data from diverse sources—transactional, behavioral, and historical data—without duplication.



Automated data management:

InterSystems solutions offer automated workflows and quality checks to streamline data processing, helping you maintain a high level of data quality and consistency.



Compliance-first infrastructure:

By ensuring that data is collected and prepared in compliance with industry standards, such as GDPR and CCPA, we provide a foundation for seamless integration into analytics workflows, ensuring the security and privacy of your data.

Addressing the Challenges

Turning the obstacles of developing real-time, data-intensive analytic applications into opportunities starts with targeted strategies that improve efficiency, accelerate outcomes, and capitalize on InterSystems unique value proposition: making it faster and easier to collect, integrate, and normalize the best data needed to optimize decision-making and inform action through analytics.



Streamline Data Prep

Automating data cleaning and integration saves time, improves data controls, enables reuse, and ensures teams can focus on building impactful models that deliver measurable results.



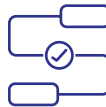
Refresh and Optimize

Keeping analytics effective doesn't always require new data. Sometimes, the key is reusing and optimizing existing data, refining parameters, and extracting better insights. InterSystems technology enables your teams to refresh and test new model parameters, and deploy them in production with minimal disruptions, ensuring that analytics stay relevant and accurate.



Enable Real-Time Access

InterSystems technology enables teams to build, validate, and deploy analytics without moving and duplicating data. Implementing a smart data fabric architecture in a single unified platform makes it easy. By connecting to a single source of truth via a smart data fabric, firms can create a seamless pipeline for real-time scoring and agile decision-making. This connection eliminates delays, enabling up-to-the-minute insights and faster execution.



Support Compliance and Governance

InterSystems supports compliance without slowing progress by implementing our solution around your data governance framework and regulatory reporting mandates. Our technology facilitates roles-based data access and can help your firm comply with data privacy and governance mandates. In addition, our technology makes it easy to maintain an audit trail of data changes for regulatory compliance and analytical purposes.



Simplify Validation and Deployment

InterSystems streamlines validation and deployment by connecting to the same data source throughout the analytic application development process, which reduces errors, and ensures analytics are ready to deliver value faster. Teams can go from concept to deployment without duplicating and manually processing data at each step or introducing inefficiencies.

Making Analytics Future-Ready

A streamlined, scalable analytics development and management process is just the beginning. Institutions need strategies that adapt as markets and data sources change to thrive in an ever-evolving financial landscape. By focusing on agility, efficiency, and long-term maintainability, you can ensure your analytics efforts remain a competitive edge, not a stumbling block.



Future-Proof Your Analytics Strategy

Financial markets change fast, and your analytics need to keep pace. Scalable tools with real-time adaptability ensure your analytics stay relevant, no matter how the data or regulatory landscape shifts. Building flexibility into your processes now saves time and effort down the road.



Focus on High-Value Work

Your data scientists are strategists, not data wranglers. Automating repetitive tasks empowers your team to spend more time innovating and analyzing.



Stay Proactive, Not Reactive

Don't wait for inefficiencies to derail your operations. Regularly assess your processes, monitor performance, and adjust as needed to keep analytics sharp and effective. A proactive approach ensures your systems evolve in tandem with the challenges they're designed to solve.

Transforming Analytics Development Into a Strategic Advantage

In financial services, analytics are more than tools—they're the foundation of smart, timely decisions. Now is the time to refine your approach, embrace scalable solutions, and let your process drive growth. By staying ahead of the curve, you're managing change and shaping the future.

Let's Talk

Ready to transform your analytics development process into a competitive advantage? Let's explore how. The future of smarter, faster decisions starts here.

[Learn more.](#)



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